

# Attribute Option Combos, etc.

or

Category Option Combos, Attribute Option Combos,  
Category Option Combo Groups and Group Sets, how  
to model additional dimensions (both simple and  
hierarchical) using these in dhis2

*Jim Grace*

*dhis2*

*Nov. 1, 2018, Oslo*

**dhis2**

*data element dimensions: Category Options*

*(disaggregations: age, sex, test result, etc.)*

*data set dimensions: Attribute Options*

*(extra dimensions: projects, partners, accounts, etc.)*

# *data element dimensions: Category Options*

*(disaggregations: age, sex, test result, etc.)*

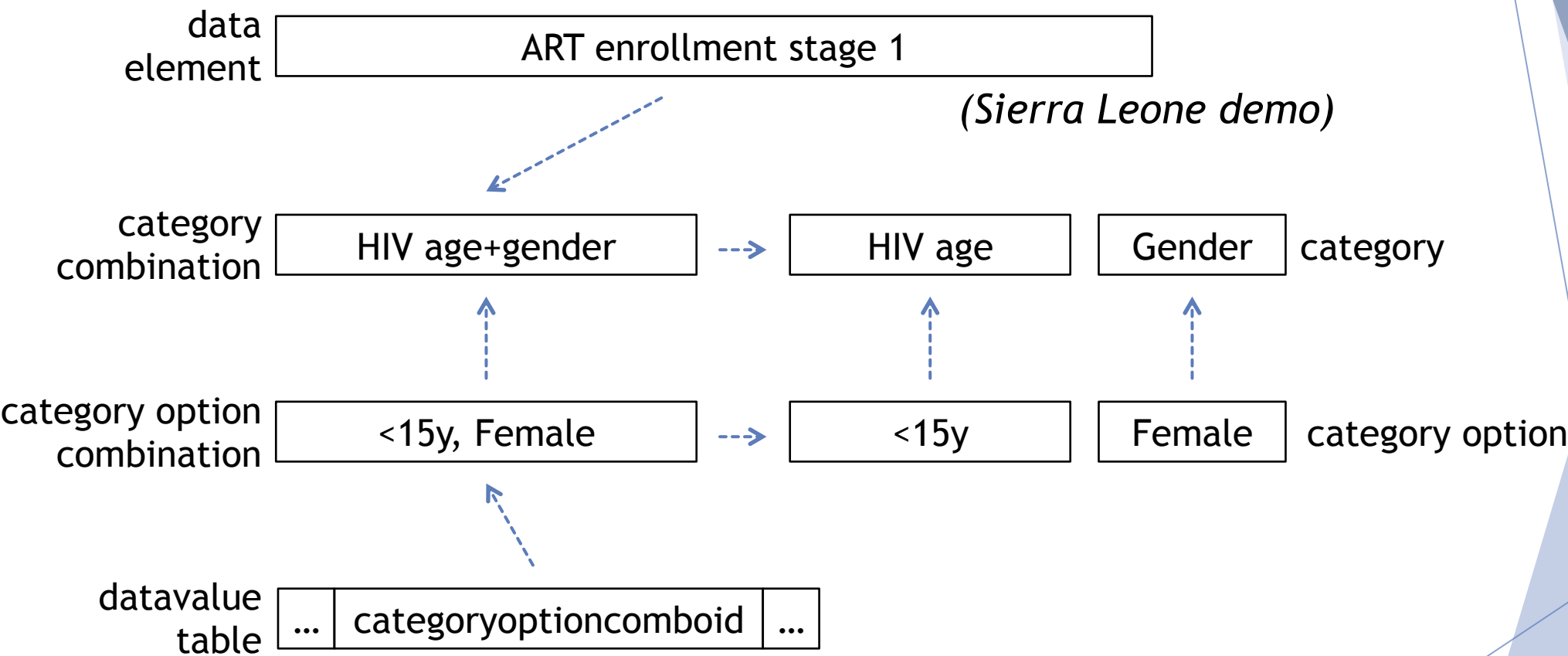
*Following examples:*

*2 dimensions*

*1 dimension*

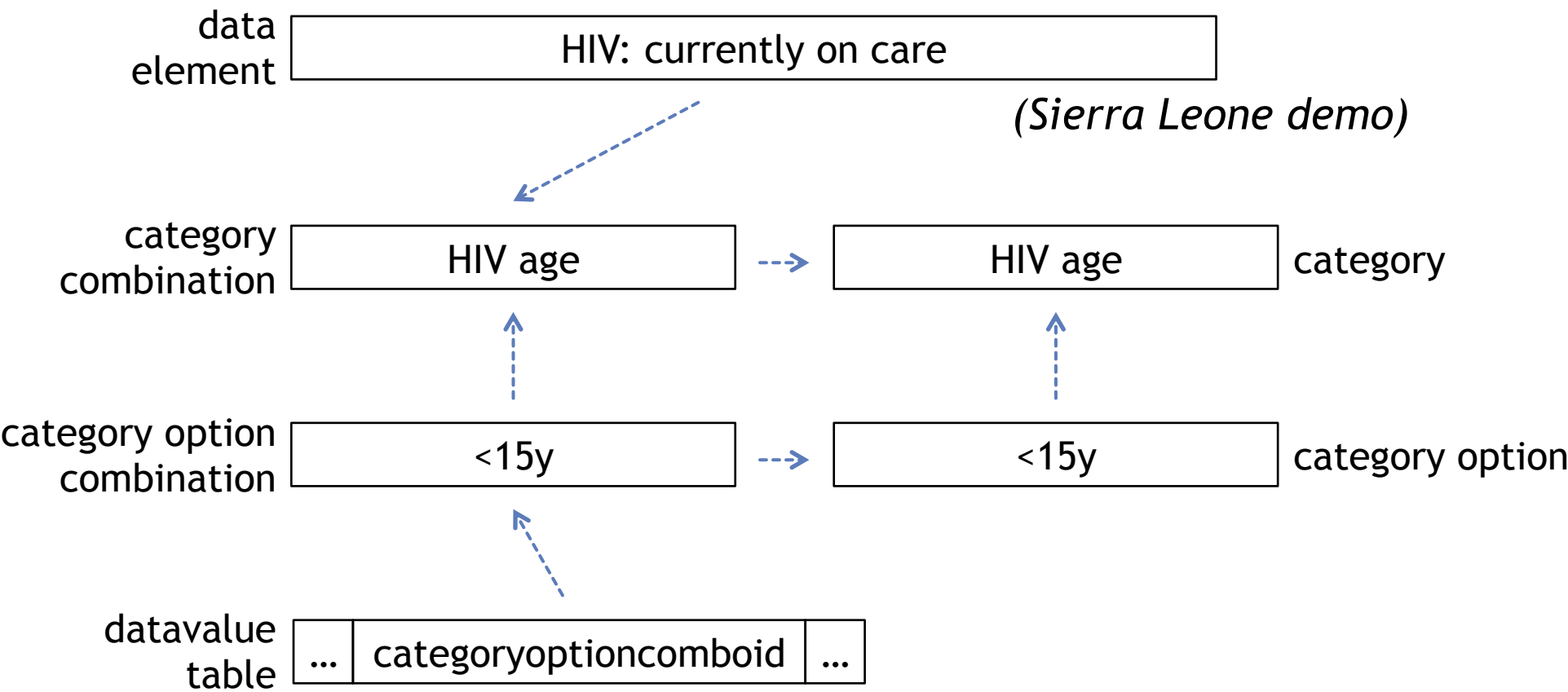
*0 dimensions*

# Two data element dimensions: age, gender



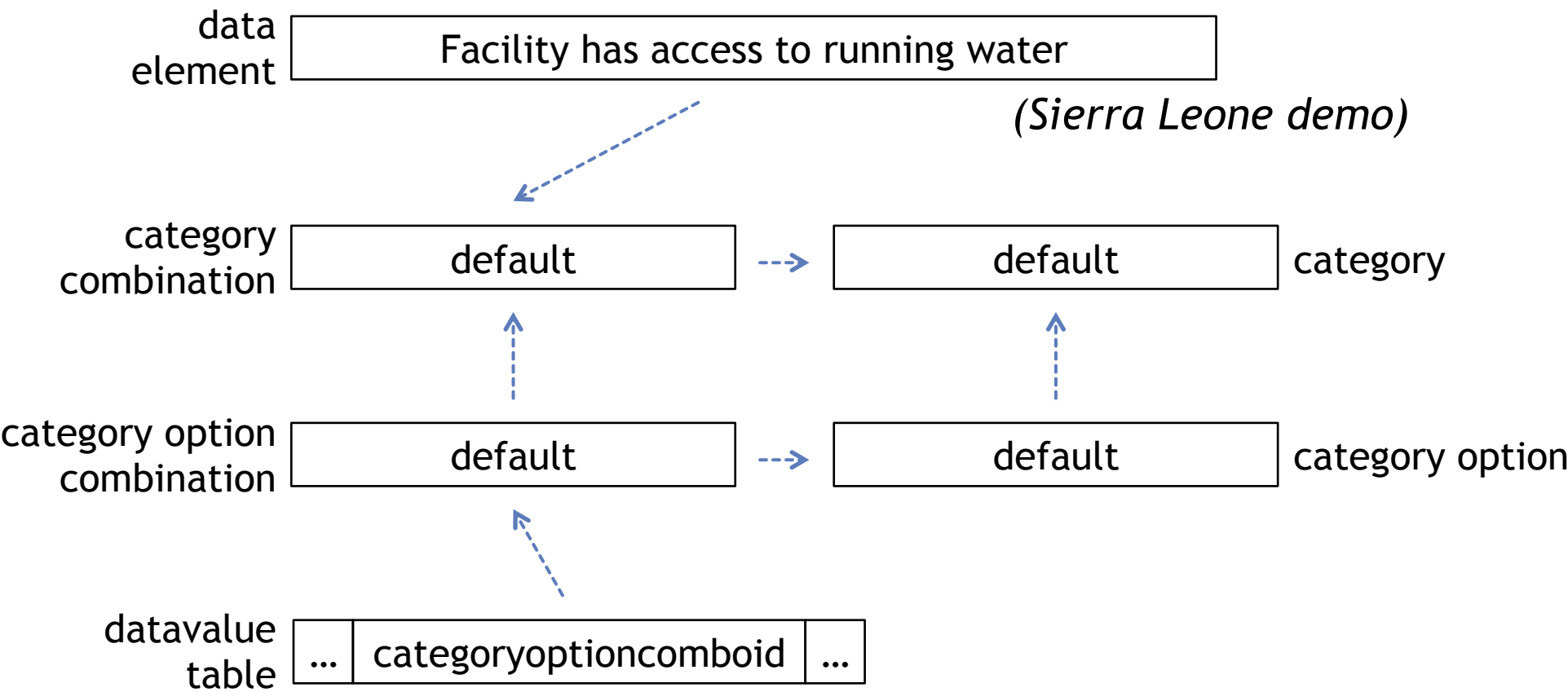
*data element dimensions: Category Options*

# One data element dimension: age



*data element dimensions: Category Options*

# Zero data element dimensions



*data element dimensions: Category Options*

*data set dimensions: Attribute Options*  
(extra dimensions: projects, partners, accounts, etc.)

*are based on*

*data element dimensions: Category Options*  
(disaggregations: age, sex, test result, etc.)

# Data Entry

## HIV testing and counseling

Filter in section	<15y	15-24y	25-49y	>49y
HIV: currently on care	19	32	44	45
HIV: new on care	42	44	46	36

*data element dimensions: Category Options*

## Data Entry ?

Organisation Unit	Sierra Leone		
Data Set	ART monthly summary		
Period	July 2017	Prev year	Next year
Implementing Partner	APHIAplus		
Project	[ Select option ]		

*data set dimensions: Attribute Options*



# *data set dimensions: Attribute Options*

*(extra dimensions: projects, partners, accounts, etc.)*

*Following examples:*

*0 dimensions*

*1 dimension*

*2 dimensions*

# Zero data set dimensions

data set 

Child Health
--------------

*(Sierra Leone demo)*

category combination 

default
---------

default
---------

 category

category option combination 

default
---------

default
---------

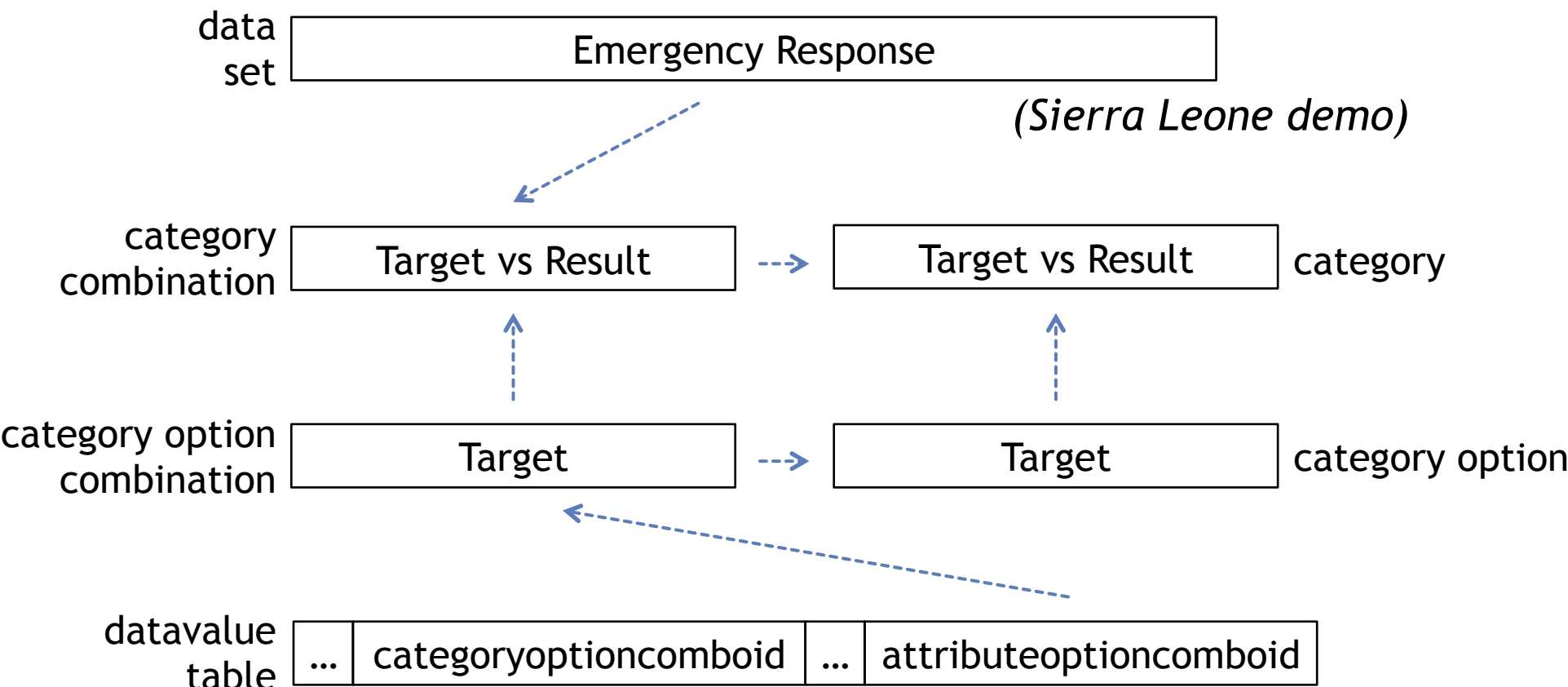
 category option

data value table 

...	categoryoptioncomboid	...	attributeoptioncomboid
-----	-----------------------	-----	------------------------

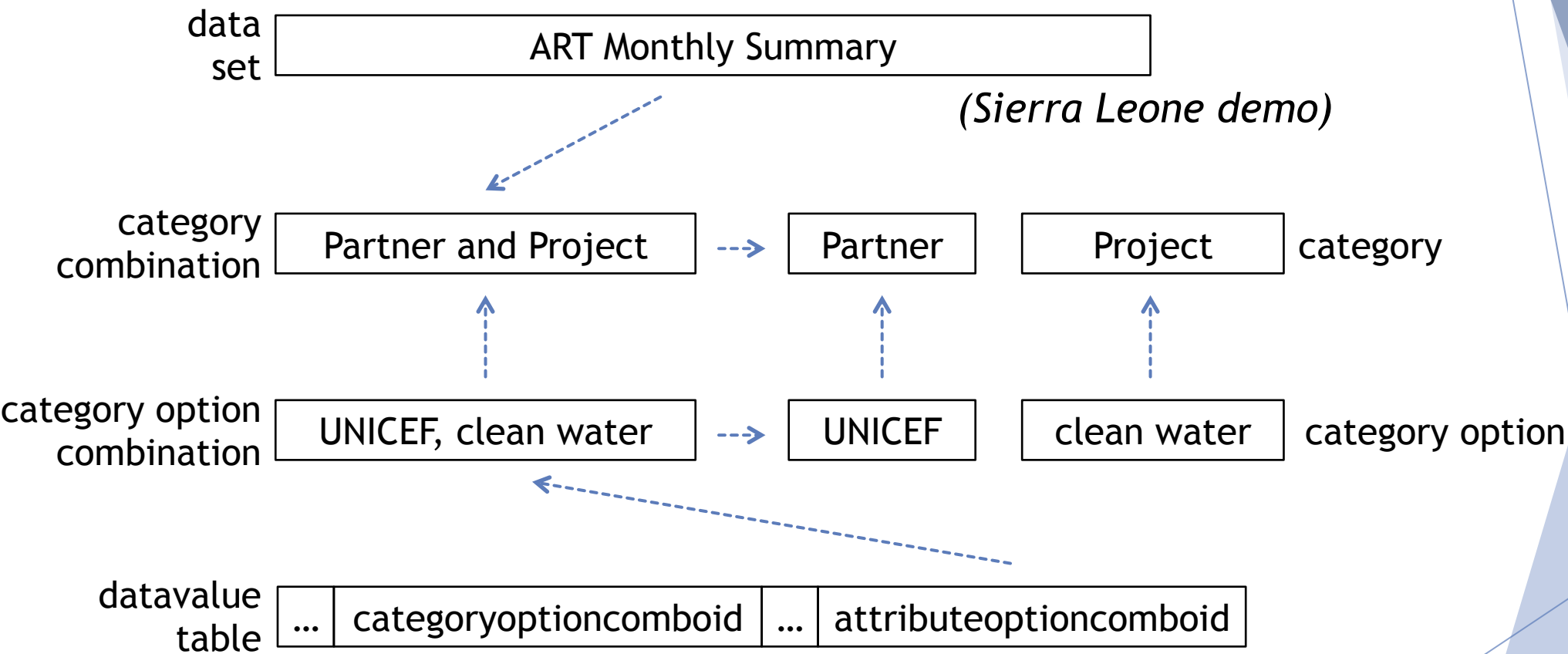
*data set dimensions: Attribute Options*

# One data set dimension: Target / Result



*data set dimensions: Attribute Options*

# Two data set dimensions: partner, project



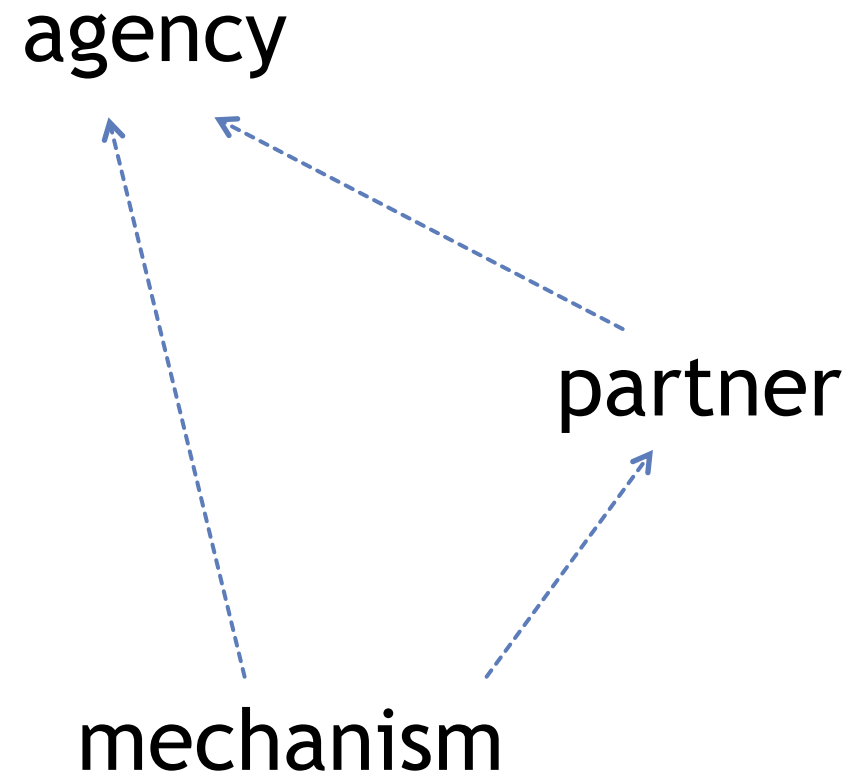
*data set dimensions: Attribute Options*

# *data set dimensions: Attribute Options*

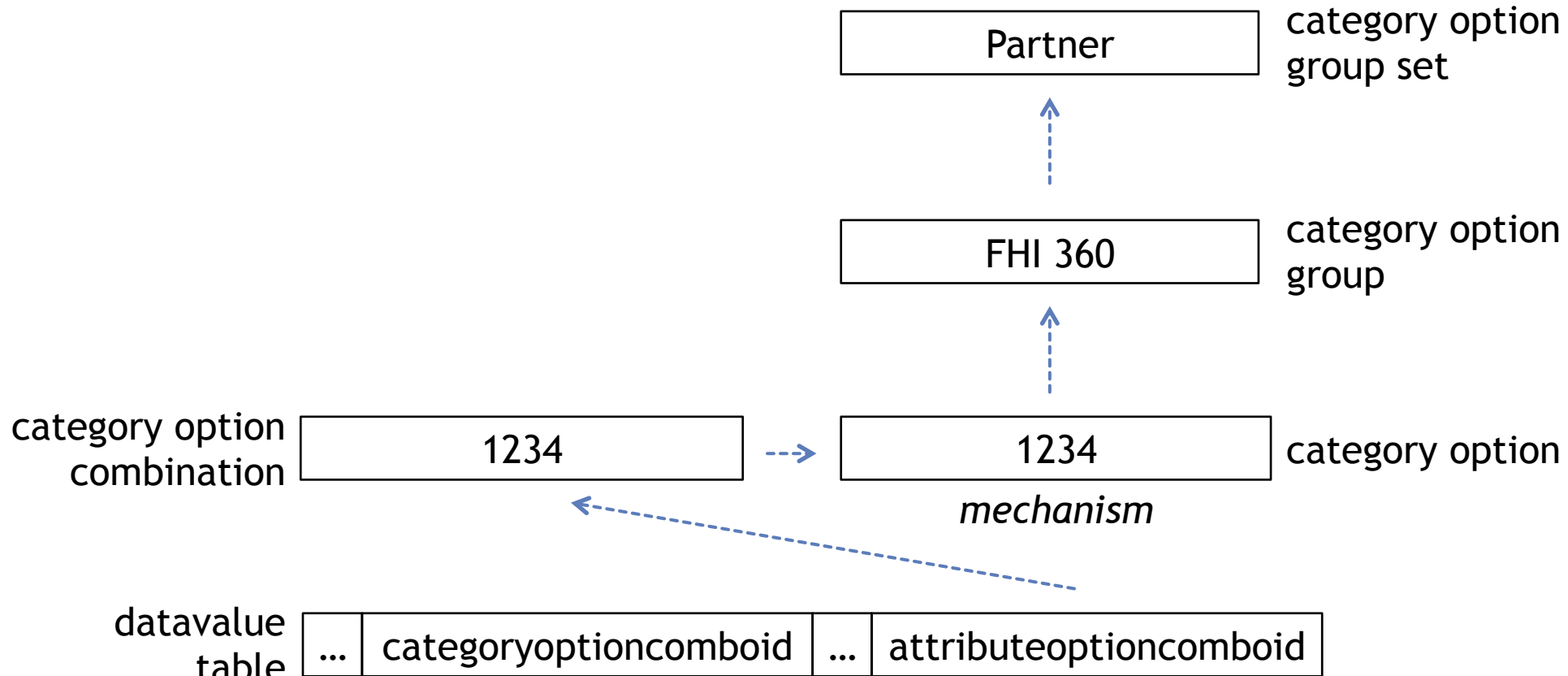
*can organize into analytics dimensions using:*

*category option groups*  
*category option group sets*

## Example: Modeling PEPFAR agencies and partners

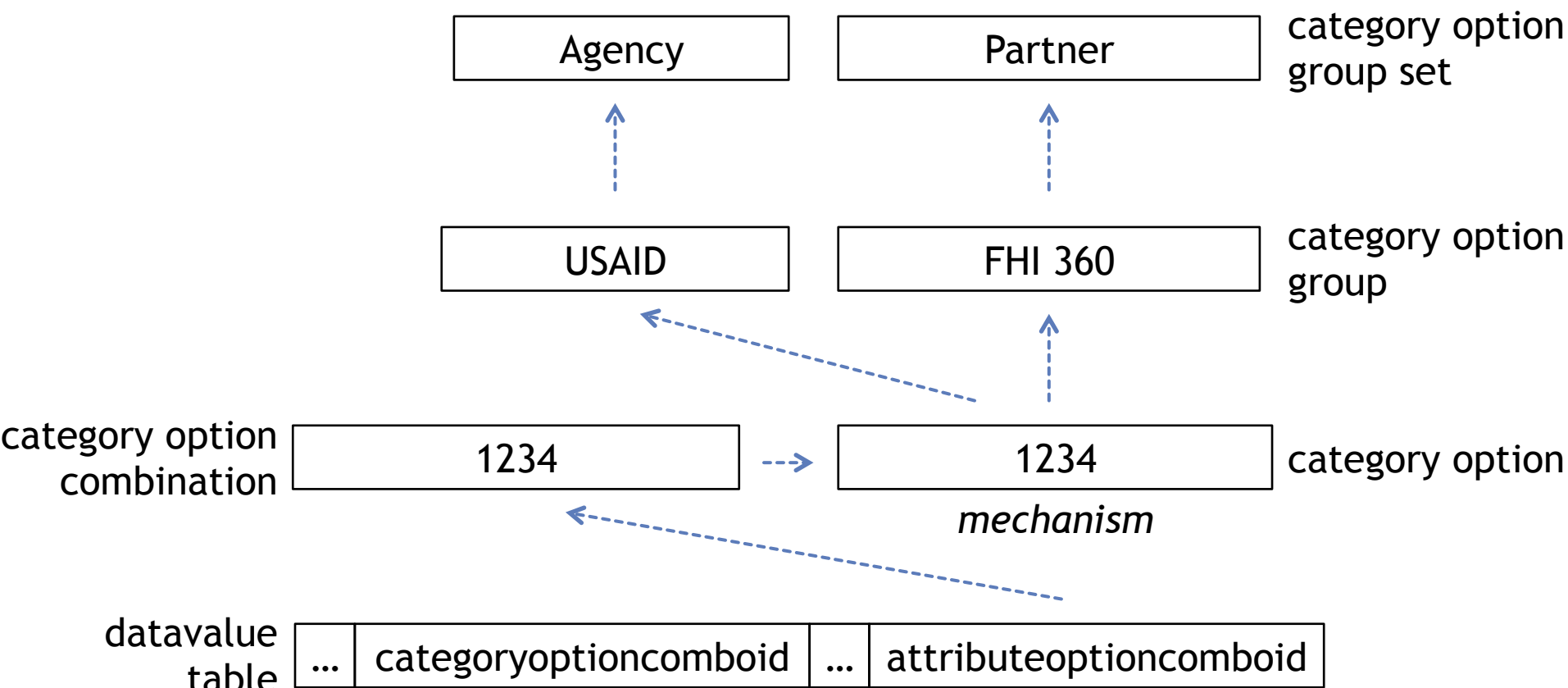


# PEPFAR partners



*category option groups and group sets*

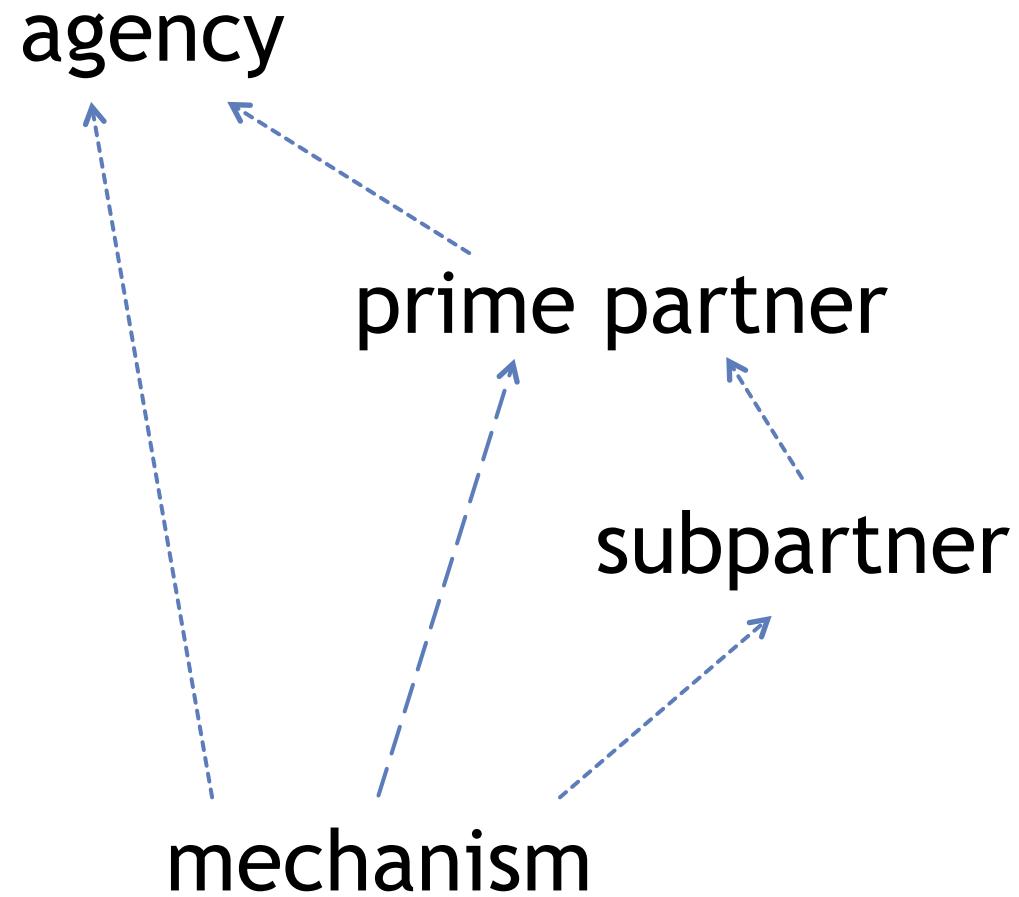
# PEPFAR agencies and partners



*category option groups and group sets*



## Modelling PEPFAR subpartners (possible future)



Two different ways to model:

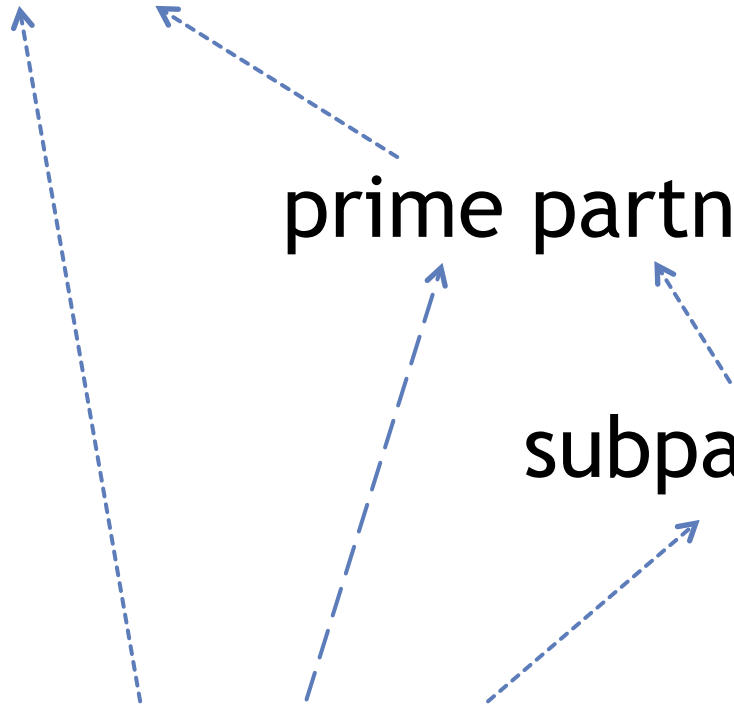
agency

prime partner

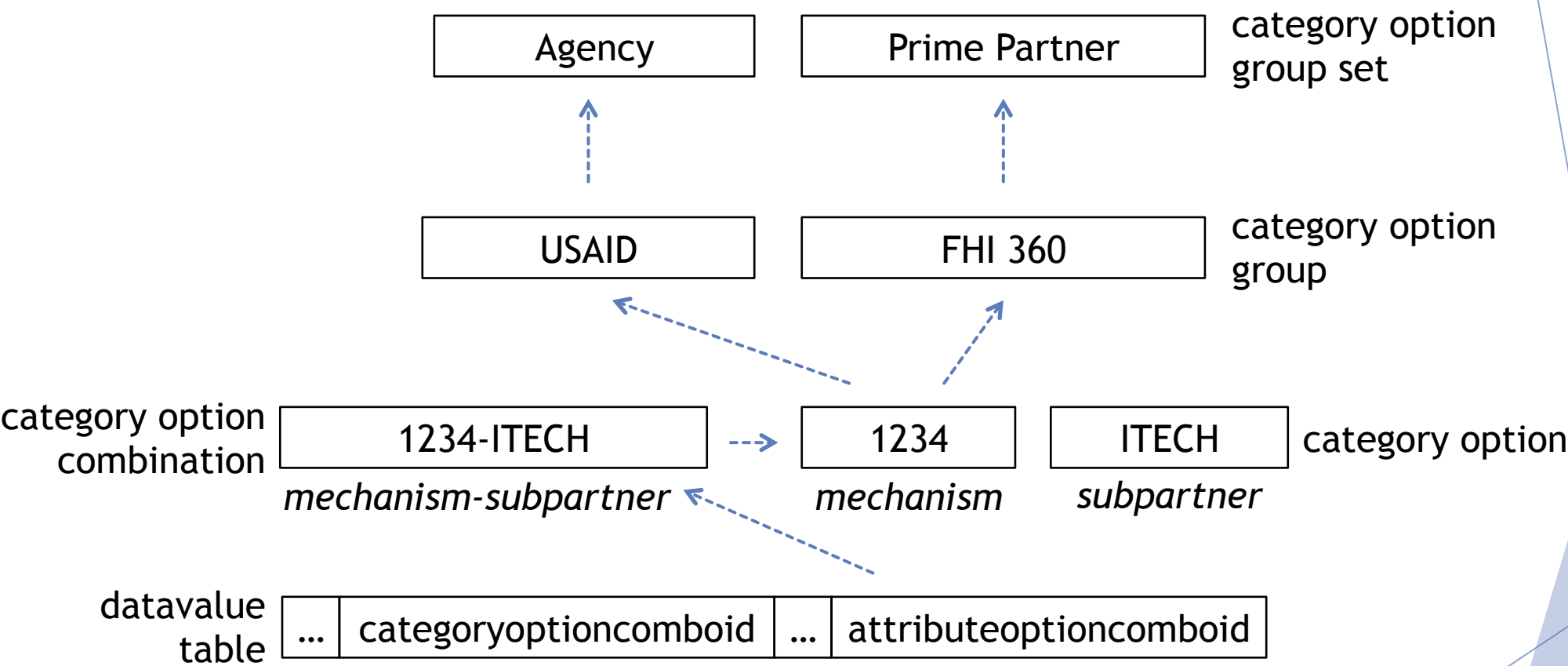
subpartner

mechanism

- as 2 data set dimensions
- as 1 data set dimension

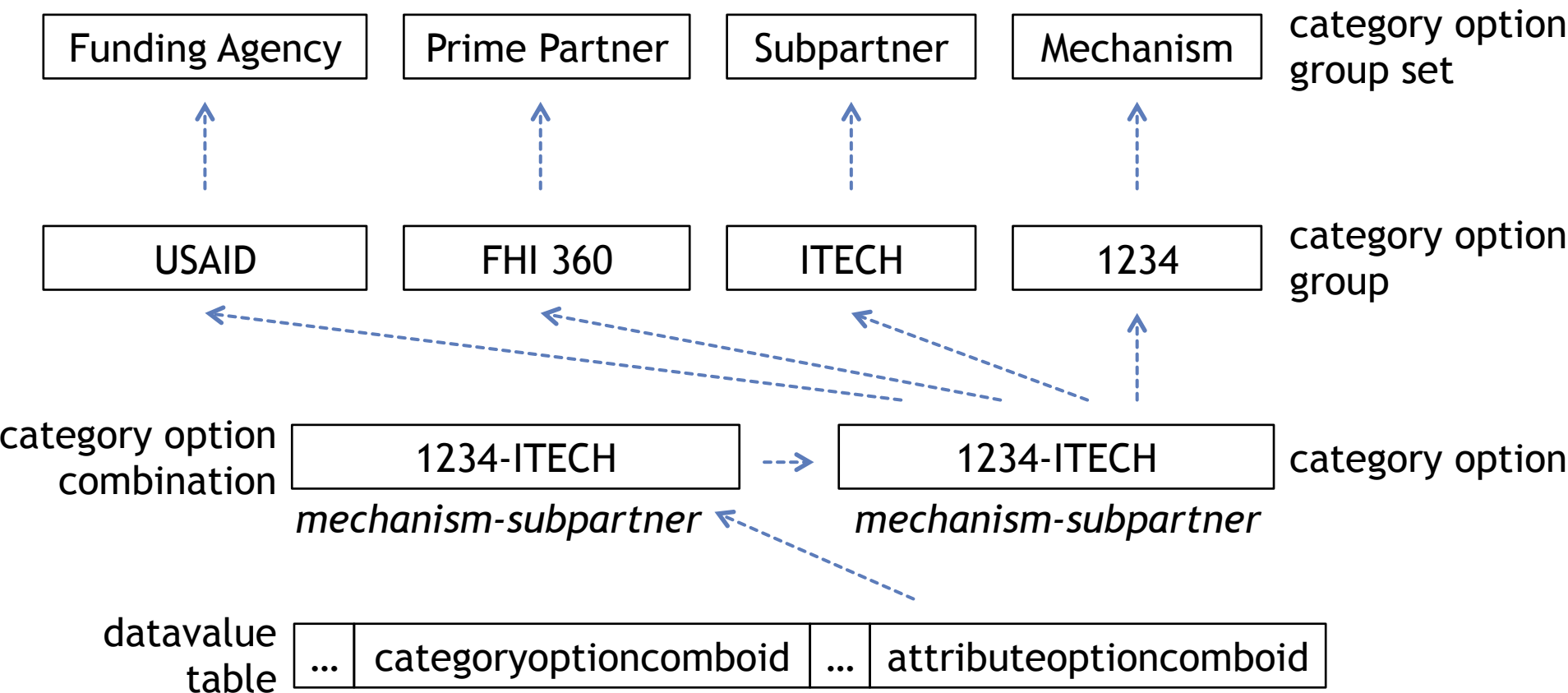


# Possible PEPFAR subpartners (2 dimensions)



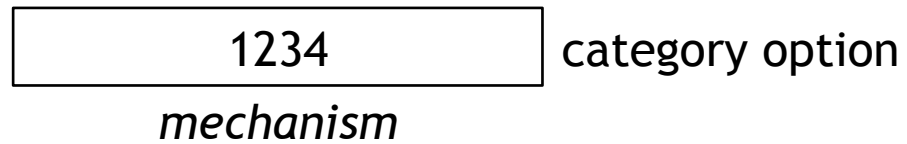
*Possible future model for PEPFAR Subpartners*

# Possible PEPFAR subpartners (1 dimension)



*Possible future model for PEPFAR Subpartners*

# Category option: optional constraints



has (optionally):

- start date
- end date
- organisation unit(s)

# Attribute Option Combos, etc.

or

Category Option Combos, Attribute Option Combos,  
Category Option Combo Groups and Group Sets, how  
to model additional dimensions (both simple and  
hierarchical) using these in dhis2

*The end!*

dhis2